Washington, D.C.
Dec 14th/54.

Dr Geo. Engelmann:
St. Louis.

Dear Sir:

If Doctor James Schiel is in the city of Saint Louis will you be kind enough to send him the enclosed note, the early delivery of which is of very great importance & I should not like the liberty of troubling you with it. I also write him through the P.O. but fear he will not call for it in time.

0 1 2 3 4 5 6 7 8 9 10
cm
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With much respect,
I am, sir,
Your very obt. ser.

E. G. Beckwith
(St. U. S. A.)

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GEORGE ENGELMANN PAPERS

Beckwith.

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Rec'd May 27
Ans 28

Washington, D.C.
May 22d. 1855.

Dear Doctor;

I wish you would do me the favor to show Dr. Engelmann either the 102 page of my first report (of 1853 work), or the 86 page of the report for 1854 work, and ascertain from him if the printer has not so mixed up the paragraph of which the following is a copy or to make it unintelligible to some extent, to wit:

"Ten observations were made.
Range of Standard Bar. in that period from 29".503 to 29".748. Range 0".243.

		Variation.
Burlin No 551 = E + 0".006.		Var. from −0".027 to +0".027 = 0".048
" 496 = E + 0".080.		Var. from +0".046 to +0".109 = 0".063.
Ouro 7889 = E − 0".015.		Var. " − 0".055 + 0".035 = 0".090.
" 9293 = E − 0".025.		Var. " − 0".005 − 0".045 = 0".040.

E. representing standard Bar."

The portion which I have encloved with red ink line, as printed, seems to form a part of the error

of instruments, whereas the error of Instrument, as, for example, Bunker 55/= E. +0."006. is taken to be complete.

If this be so, what I wish to understand is the variation which follows — about which I have one opinion which others here have a very different opinion: that is, if the equation as given on this page is complete, what does the variation mean, and from what is it a variation?

Phon ausen Eorf.

Very respy. Yours.

Dr Jos. Schiel.

St. Louis.

Mo.

E. L. Berthoud

P.S.

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GEORGE ENGELMANN PAPERS

To Dr Engelmann.

Sir: I had written the above note when I was fortunate enough to procure a copy of that part of my report to which it refers, which I send you by to day's mail, and therefore take the liberty of sending you also the letter — begging you to excuse my ignorance & presumption.

Dr G. Engelmann.

Your obdt. svt
E. L. Berthoud

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1890 78 80 147 28 99 123 46 98

4 0.009 0.020

Norm. var. of Barr. at St Louis 1854

Mean of 8 Observ.

4212 526 Lesquereux mean of 8 obs

3269 409

3720 465

3916 490

total mean

32 | 15117 | 472
128
231
224
77

1890
472

24 56
28 7
5 63
67

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